

# AB-PN973

## NGFR-pT293 Antibody

Phosphosite-specific rabbit polyclonal antibody for NGFR. This phosphothreonine-site antibody also cross-reacts with a glutamic acid substitution and weakly with serine, threonine and tyrosine substitutions in the phosphosite.

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### Target Protein

<b>Protein Name Long:</b>	Tumor necrosis factor receptor superfamily member 16
<b>Protein Alias:</b>	CD271; Gp80-LNGFR; Low affinity nerve growth factor receptor; Low affinity neurotrophin receptor p75NTR; Low-affinity nerve growth factor receptor; Nerve growth factor receptor; NGF receptor; P75 ICD; P75NTR; TNFR superfamily, member 16; TNFRSF16; TNR16; Tumor necrosis factor receptor superfamily member 16
<b>UniProt ID:</b>	P08138
<b>Protein Molecular Mass:</b>	45,183 Da (427 AA)

### Immunogen

<b>Antibody Immunogen Source:</b>	Synthetic phosphopeptide patterned after human NGFR
<b>Antibody Immunogen Sequence:</b>	PVNVQ(pT)PPP( $\beta$ A)C
<b>Antibody Immunogen Description:</b>	Corresponds to amino acid residues P289 to P296. The effect of T293 phosphorylation is unknown. This is the major <i>in vivo</i> phosphosite in NGFR by mass spectrometry ( $\geq 6$ reports recorded in PhosphoSitePlus).
<b>Antibody Target Type:</b>	Phosphosite-specific

### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Isotype:</b>	IgG
<b>Production Method:</b>	The immunizing peptide was produced by solid phase synthesis on a multipепptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
<b>Amount:</b>	25 $\mu$ g
<b>Antibody Concentration:</b>	0.8 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
<b>Storage Conditions:</b>	For long term storage, keep frozen at $-40^{\circ}\text{C}$ or lower. Stock solution can be kept at $+4^{\circ}\text{C}$ for more than 3 months. Avoid repeated freeze-thaw cycles.
<b>Storage Stability:</b>	$>2$ years

## Applications

<b>Product Use:</b>	Western blotting   Antibody microarray
<b>Antibody Dilution Recommended:</b>	2 µg/ml for immunoblotting
<b>Antibody Species Reactivity:</b>	Human   Chimpanzee   Rhesus macaque   Dog   Rat   Mouse   Chicken   Frog

This product is for *in vitro* research use only and is not intended for use in humans or animals.

For more information on our products please visit <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987